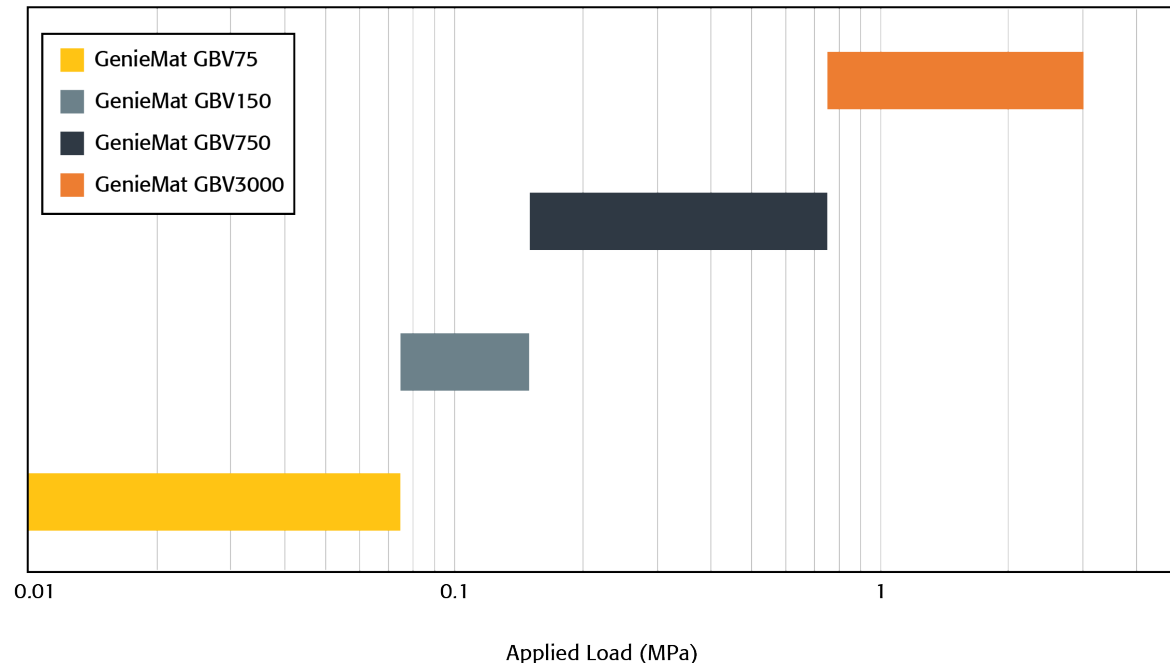


GENIEMAT[®] GBV75

Ground-Borne Vibration Isolation



PRODUCT RANGE



PRODUCT SPECIFICATIONS

PRODUCT NAME	GenieMat GBV75
DESCRIPTION	Dynamically soft rebonded-rubber material capable of withstanding high loads. Used in a variety of applications when superior vibration mitigation is required.
THICKNESS	50 mm (2 layers of 25 mm)
OPERATING LOAD LIMIT	Suitable for loads up to 75 kPa
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Dynamically soft for excellent vibration isolation • Mold, bacteria, fungi, and water resistant • Resistant to long-term creep, deflects uniformly over time • Will not break down or move under load • Easy to install
DIMENSION	Rolls: 1220 mm x 4575 mm (4' x 15')
SHEET AREA	5.56 m ² (60 ft ²)
LEAD TIME	4 weeks after receipt of order

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TECHNICAL DATA

OPERATING LOAD LIMIT	Suitable for loads up to 75 kPa
PEAK LOAD LIMIT (infrequent short term loads)	500 kPa
MECHANICAL LOSS FACTOR	0.15*
TEMPERATURE STABILITY	-40°C to +80°C (-40°F to +176°F)
THERMAL CONDUCTIVITY	0.13 W/m °C
R-VALUE @ 2"	2.1 ft ² h °F/Btu

OPERATING LOAD DATA 0.05 MPa LOADING

NATURAL FREQUENCY	13 Hz
30 Hz DYNAMIC MODULUS	1.9 MPa

* Load and frequency dependent

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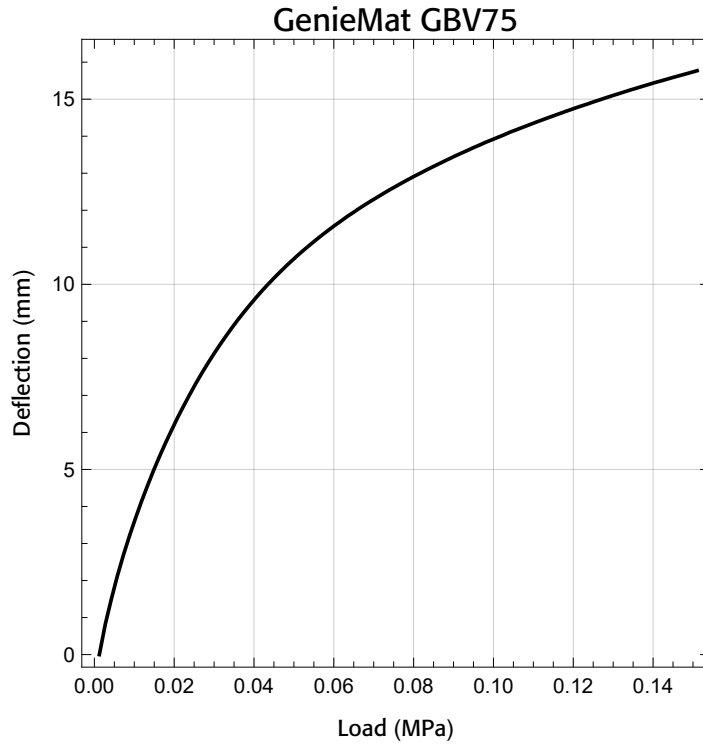


Fig. 1: Applied Load vs Deflection

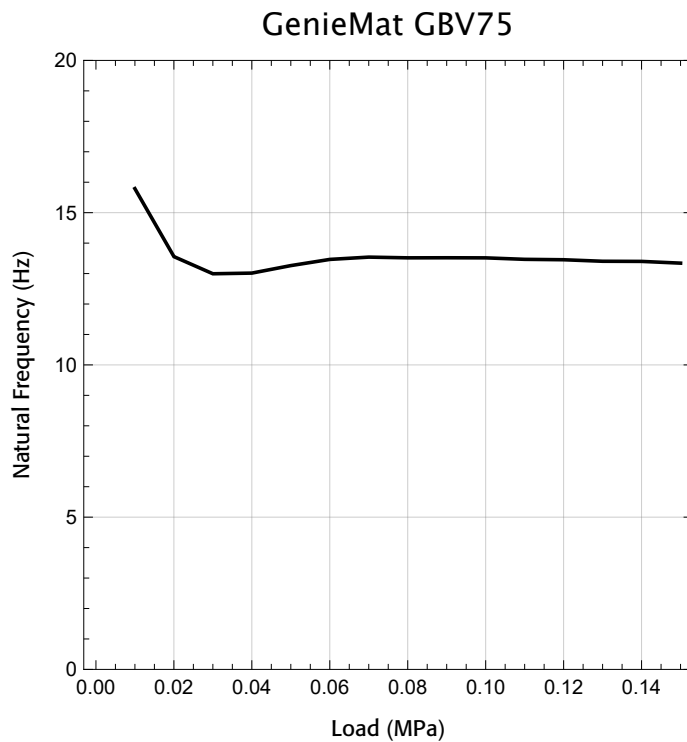


Fig. 2: Load vs Natural Frequency

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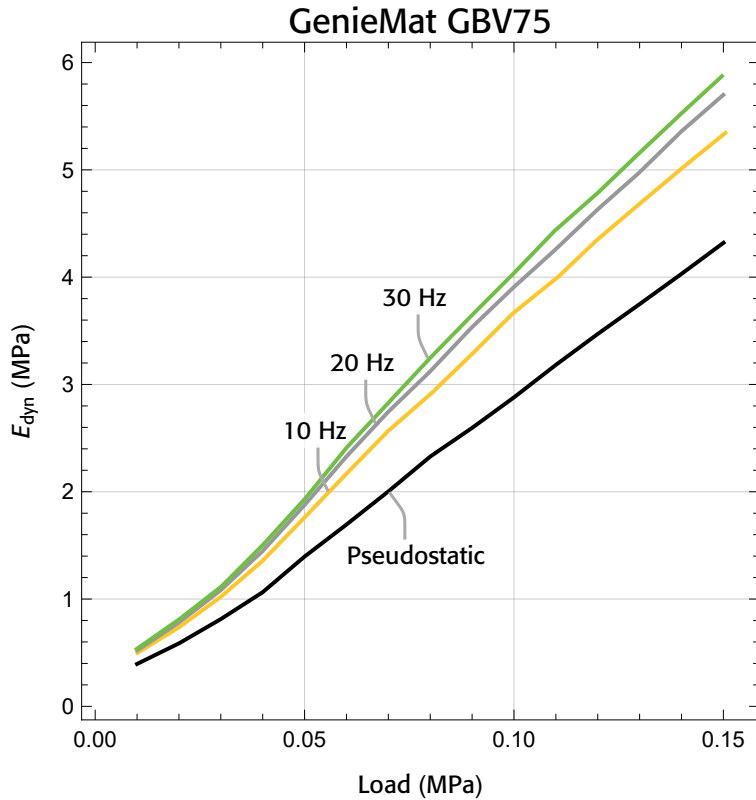


Fig. 3: Applied Load vs Dynamic Modulus

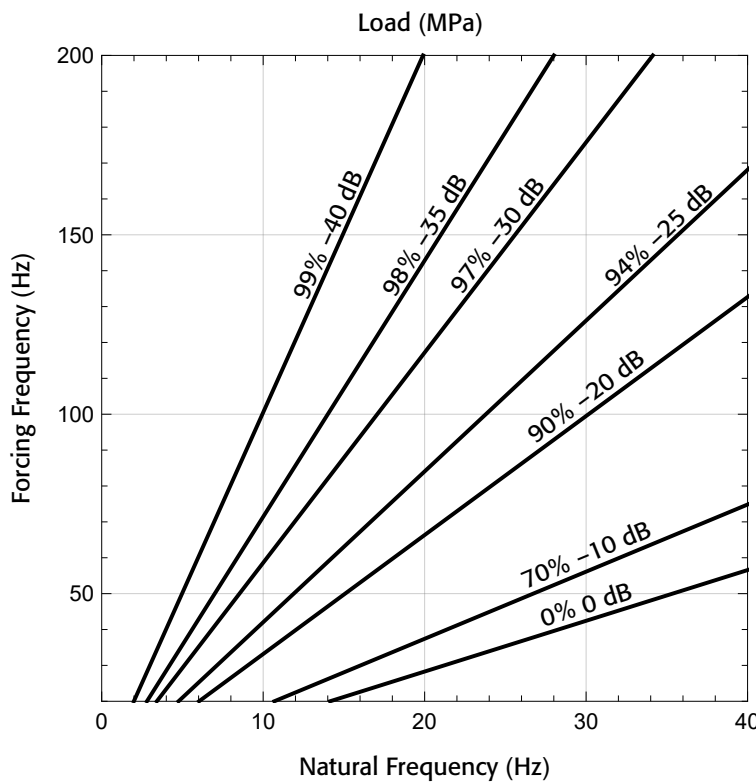


Fig. 4: Isolation Efficiency

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